



# *Anti-Human IL-4 Polyclonal Antibody*

*Catalog: PAR-100-IL4*

## **Specifications and Use**

**Target:** Human Interleukin-4

**Host and Purification:** Ig Fraction of Rabbit Serum

**Immunogen:** Full length recombinant Human IL-4

**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with no stabilizers or preservatives

**Storage:** Store at 2-8°C after restoration with 0.1mL deionized water or -20°C for long term storage, avoid repeat freeze thaws.

**Size and Label:** 100 µg, Unlabeled

**Physical State:** Lyophilized

**Endotoxin Level:** <0.1EUs per ug

**Alternate Target Names:** B cell Stimulating Factor, BSF-1, BCDF, BCGF

### **Description:**

Interleukin-4 (IL-4) is an immuno-modulatory cytokine, produced primarily by a subgroup of helper T cells, known as Th2. IL-4 is known to induce naïve helper T cells to differentiate to Th2 cells, which subsequently produce more IL-4. Th2 cells regulate a wide variety of other immune cells including, B cells, where it has the ability to promote IgG to IgE isotype switching. Human IL-4 is a 130 amino acid protein, having a molecular mass of 15 kDa.

Rabbit anti-human IL-4 recognizes native and recombinant forms of human IL-4 in tissue culture supernatant and other body fluids. A control of similar fluids known to contain no human IL-4 should be used as a control.

### **Reported Applications:**

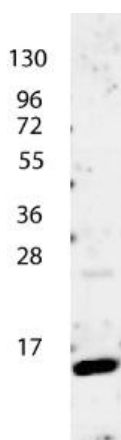
Western Blot  
ELISA

### **Recommended Dilution\*:**

1:1000 starting  
No Data

**\*INVESTIGATORS ARE ADVISED TO TITRATE ANTIBODIES TO REACH OPTIMAL ASSAY CONDITIONS FOR THEIR SPECIFIC NEEDS.**

**THIS PRODUCT IS FOR RESEARCH USES ONLY! THIS PRODUCT IS NOT FOR USE IN HUMANS!!!**



Western blot analysis of recombinant human IL-4 (100-09) using rabbit anti-human IL-4 polyclonal antibody and anti-rabbit secondary antibodies. MW of human IL-4 is 15 kDa.

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